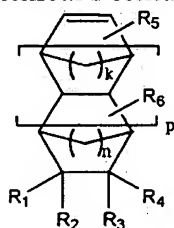


Please replace the paragraph at page 4, lines 5-26 with the following amended paragraph:

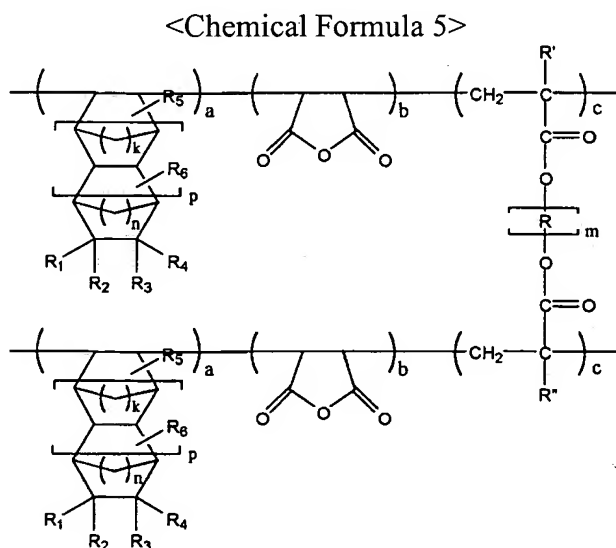
<Chemical Formula 4>



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Please replace the paragraph at page 5, line 8 - page 6, line 8 with the following amended paragraph:

A desirable photoresist polymer prepared by using the polymerization process of the present invention is represented by following Chemical Formula 5:



wherein,  $k$  and  $n$  individually represent the number 1 or 2;  $m$  represents a number from 1 to 10;  $p$  represents a number from 0 to 5;  $R', R'', R_5$  and  $R_6$  individually represent hydrogen or methyl;  $R$  is selected from the group consisting of straight or branched  $C_{1-10}$  alkyl, straight or branched  $C_{1-10}$  ester, straight or branched  $C_{1-10}$  ketone, straight or branched  $C_{1-10}$  carboxylic acid, straight or branched  $C_{1-10}$  acetal, straight or branched  $C_{1-10}$  alkyl including at least one hydroxyl group, straight or branched  $C_{1-10}$  ester including at least one hydroxyl group, straight or branched  $C_{1-10}$  ketone including at least one hydroxyl group, straight or branched  $C_{1-10}$  carboxylic acid including at least one hydroxyl group, and straight or branched  $C_{1-10}$  acetal including at least one hydroxyl group;  $R_1, R_2, R_3$  and  $R_4$  are individually selected from the group consisting of hydrogen, straight or branched  $C_{1-10}$  alkyl, straight or branched  $C_{1-10}$  ester, straight or branched  $C_{1-10}$  ketone, straight or branched  $C_{1-10}$  carboxylic acid, straight or branched  $C_{1-10}$  acetal, straight or branched  $C_{1-10}$  alkyl including at least one hydroxyl group, straight or branched  $C_{1-10}$  ester including at least one hydroxyl group, straight or branched  $C_{1-10}$  ketone including at least one hydroxyl group, straight

or branched C<sub>1-10</sub> carboxylic acid including at least one hydroxyl group, and straight or branched C<sub>1-10</sub> acetal including at least one hydroxyl group, ~~wherein, at least one of R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, and R<sub>4</sub> represent straight or branched C<sub>1-10</sub> alkyl including at least one hydroxyl group, straight or branched C<sub>1-10</sub> ester including at least one hydroxyl group, straight or branched C<sub>1-10</sub> ketone including at least one hydroxyl group, straight or branched C<sub>1-10</sub> carboxylic group including at least one hydroxyl group, straight or branched C<sub>1-10</sub> acetal including at least one hydroxyl group;~~ and the ratio a : b : c is preferably 1-50 mol% : 10-50 mol% : 0.1-20 mol%. In one embodiment, at least one of R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, and R<sub>4</sub> represent straight or branched C<sub>1-10</sub> alkyl including at least one hydroxyl group, straight or branched C<sub>1-10</sub> ester including at least one hydroxyl group, straight or branched C<sub>1-10</sub> ketone including at least one hydroxyl group, straight or branched C<sub>1-10</sub> carboxylic group including at least one hydroxyl group, straight or branched C<sub>1-10</sub> acetal including at least one hydroxyl group. In another embodiment, all of R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, and R<sub>4</sub> do not represent hydrogen at the same time.